

REMARKS

This Amendment is in response to the Office Action dated April 21, 2003. After entry of this Amendment, claims 1-11 remain pending in the application. Claims 1-4, 6-8, and 10 have been amended. Reconsideration of the application as amended is requested.

The specification stands objected to because the Examiner states that on page 3, line 6, that "an 8 should be added", and in line 16, the "joint" should be "gasket". Additionally, the abstract should be amended to include details as to the function. The Examiner requests a copy of the French patent to be supplied in the next response with features denoted in English. A copy of the French application is attached hereto. Each of the requests from the Examiner have been complied with.

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The Examiner states that the purpose of the brass insert is unclear and why brass is used is unclear. The brass insert on the PC board has more than one function. First, the brass insert functions as a conductor, conducting power from a connector to the brushes. Furthermore, the brass insert is formed in such a way as to guide the carbon brushes inside a groove. The carbon brushes are placed in the groove and pressed in the radial direction by resilient tension means, such as springs. The groove is formed by the insert. The brass insert brings the power as close as possible to the foot of the MOSFET transistors of the power circuit. Brass is used because it has very good conducting capabilities. This has been generally known for quite some time, so there is no need to explain this function in detail. The original language (French) specification has been reviewed and a clearer interpretation is presented in the Amendment. No new matter has been added. A copy of the original application in the French language is included per the Examiner's request.

In view of the number of changes made herein to the previously submitted Substitute Specification., Applicant submits a Second Substitute Specification for the Examiner's ease in reviewing the application. The Second Substitute Specification incorporates all of the amendments submitted herein.

The Examiner states that page 1, lines 13-15 are general and without detail. The Examiner states that further no such discussion is seen on pages 3-5.

Applicant's attorney does not understand this rejection. The background section is intended to be general, however, it is expected that amendments clarifying the specification and claims will alleviate any further confusion on the part of the Examiner.

The Examiner states that in regard to Figure 1, the insert depiction is unclear and the lead line 6 appears directed to part 9. The drawings have been amended to clarify the subject parts with additional lead lines. The insert 6 is shown in Figure 1 by reference numeral 6. Figure 1 shows a horizontal line, which is the brass section of the insert 6. It is clearly seen in Figure 1 that the insert 6 extends through the PC board CI. Furthermore, another part of the insert shown in Figure 1 on the right side, extends through the PC board and connects the PC board to the power components 8. The insert has therefore been adequately disclosed in the drawing.

The Examiner states that the insert is not shown in Figure 2, therefore the shape and position of insert 6 is not adequately disclosed. The insert 6 has been more particularly pointed out in the substitute drawings.

The Examiner states that page 3, lines 24-30 of the specification are unclear. The Examiner does not understand what "stripe" is referred to, and brass insert 6 soldered to PCB components is not seen in the Figures. The specification has been amended to clarify this passage. The brass insert forms a path for supplying power to the electronic components on the PC board and to power the components that are mounted to the radiator. The brass insert can be soldered to the printed circuit board (PC-board) or the power components. The connection between the brass insert and the PC board is shown in Figure 1. It can be seen that the brass insert has been inserted into the PC board from one side and that it protrudes through to the other side.

The Examiner states that page 4, lines 8-11 in the specification, the phrase "removal of condensation" is unclear. The specification has been amended to clarify this passage. Means for facilitating the removal of condensation water that has been produced by the radiator includes a path formed by the over molding 9 and the closing lid 12. This means simultaneously forms the watertight partition wall 10.

The Examiner states that in lines 11-14, it is unclear what wires are being referred to and why the insert requires power. The specification has been amended to clarify this passage. The wires are disclosed but not shown in the drawings. These wires are used to supply power to the brass insert and therefore to the brushes, electric components, and to the power components. The insert requires power to conduct the power to other components. The insert acts as a transporting means for the power. Wires are commonly known in the industry to those skilled in the art, therefore are not required to be shown in the drawings.

The Examiner states that on page 4, lines 23 and 28, that "leads" should be "flaps". "Leads" have been amended to "flaps" per the Examiner's request.

The Examiner states that Figure 4 and lines 28-30 on page 4, are unclear. The specification has been amended to clarify this passage. The "elastic leads 14" should be "elastic flaps 14". The flaps 14 provide a locking means to lock the cover plate onto the housing. By providing a plate with a plurality of flaps angularly spaced with different angles, there will be only one way to attach the cover plate to the housing, thus making it fool proof.

The Examiner states that reference numeral 3 was not in the specification. A stator 3 is now referred to in the specification. Reference numeral 3 as seen in Figure 1, was in the original French text but was inadvertently left out of the English translation. The conductor (stator) of the motor 3 is generally known in the elementary part of an electric motor.

The Examiner states reference numeral 5 lead line in Figure 1 appears directed to over molding 9, and not to the brushes. The drawings have been amended to clarify the various parts. The reference numeral 5 lead line points to the brushes.

The Examiner states that in claims 4 and 10, the phrases "means to allow removal," "connecting module," and "complimentary connector" are unclear. The specification has been amended to clarify this passage.

Means for allowing removal of condensation are means that allow a motor to "breathe." The means can be made of any material, as long as the material allows air to enter into the electronic portion of the motor while preventing water and humidity from entering the electrical portion from the radiator side of the motor.

A connecting module in the claim is a connector that enables an insert to be fed with power, electrical current. The means for allowing implementation of such a connecting module can be seen in Figure 2 at the gap in the upright of the overmolded wall just under arrow 17. A connector can be put into the gap forming a connector to the exterior of the motor unit. The connecting module itself is not shown nor required for understanding of the present invention. A complimentary connector is a second connector that has a complimentary form with regard to the first connector. The first and second connectors can be connected to each other and are typically known as female and male plugs.

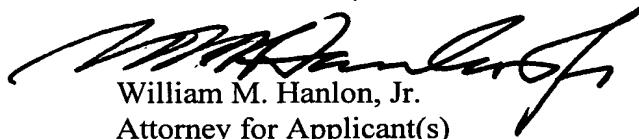
Claims 1-11 stand rejected under 35 U.S.C. § 112, first paragraph, as containing subject matter which is not described in the specification in a way to enable one skilled in the art to make or use the invention. The specification and claims have been amended to be consistent with the original French patent. As such, 35 U.S.C. § 112 is now complied with. Reconsideration is requested.

It is respectfully submitted that this Amendment overcomes all of the Examiner's objections and rejections to the application as originally filed. It is further submitted that this Amendment has antecedent basis in the application as originally filed, including the specification, claims and drawings, and that this Amendment does not add any new subject matter to the application. Reconsideration of the application as amended is requested. It is respectfully submitted that this Amendment places the application in suitable condition for allowance; notice of which is requested.

If the Examiner feels that prosecution of the present application can be expedited by way further communication, the Examiner is invited to contact the Applicant's attorney at the telephone number listed below.

Respectfully submitted,

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& HELMHOLDT, P.C.



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Amendments to the Drawings:

The attached three (3) sheets of drawings include changes to Figs. 1-4. This drawing, which includes Figs. 1-4, replaces the original drawing including Figs. 1-4.

Attachment: Replacement Sheets